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Human alpha interferon monoclonal antibodies prodn. - by fusion of spleen cells from interferon-immunised mice with mouse plasma cytoma cells and selection of antibody-producing hybridomas

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Number of Countries: 001 Number of Patents: 001

Patent Family:

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DD 231007	A	19851218			198616	B

Priority Applications (No Type Date): DD 267877 A 19841001

Patent Details:

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DD 231007	A	3			

Abstract (Basic): DD 231007 A

In a new process for the prodn. of monoclonal antibodies against human interferon alpha (HuIFN), (a) spleen cells of mice which have been immunised with interferon are fused with mouse plasma cytoma cells in cell culture, (b) the antibody-forming hybridomas are selected by means of immunodol assay and solid-phase bioassay, (c) the properties of the monoclonal antibodies formed are determined with respect to their reactivity with HuIFN, and (d) the production of the antibodies by the specific hybridoma clones is carried out either in cell culture or in the ascites form.

USE/ADVANTAGE - Monoclonal antibodies are of use for the detection of interferon in its production by gene-technological methods using microorganisms, for the isolation and purification of biosynthetically produced interferons, and for the development of a test kit for human alpha interferon. (3pp Dwg.No.0/0)

Derwent Class: B04; D16

International Patent Class (Additional): A61K-039/39